

US Army Aviation and Troop Command



INTEGRATED MATERIEL MANAGEMENT CENTER

Modernization Through Spares

Huntsville, Alabama 28 May 1997

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MANAGEMENT THRU SPARES





DEPARTMENT OF THE ARMY

OFFICE OF THE ASSISTANT SECRETARY RESEARCH DEVELOPMENT AND ACQUISITION 103 ARMY PENTAGON WASHINGTON, DC 20310-0103



MEMORANDUM FOR SEE DISTRIBUTION SUBJECT: Modernization Thru Spares

22 JAN 96

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LEON E. SALOMON General, USA Commanding General U.S. Army Materiel Command GILBERT F. DECKER
Assistant Secretary of the Army
(Research, Development and
Acquisition)



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2 DEC 96

Honorable Strom Thurmond Chairman

nairman

Committee on Armed Services United States Senate Washington, D.C. 20515-6035

Section 312 of Public Law (PL) 104-201 . . . with four specific statutes

- Competition requirements of 10 USC 2304
- Core Logistics requirements of 10 USC 2464
- Public / Private competition requirements of 10 USC 2469
- Requirements relating to contract bundling and spare parts breakout in 15 USC 644 (a) and (1) and implementing regulations in the Defense Federal Acquisition Regulation Supplement.

GILBERT F. DECKER
Assistant Secretary of the Army
(Research, Development and
Acquisition)

A Spares Improvement Program which employs Acquisition Reform to define requirements in present day technologies during the Buy / Overhaul Process, thereby improving the overall Weapon System.



FOCUS AREAS



Technology Modernization

- Commercial Off-the-Shelf (COTS)
- Technology Infusion
- Commercial Business Practices

Acquisitions Strategies

- Incentives
- Long Term Contracts
- Performance Specifications
- Groupings Of Components
- Commercialization

Government - Vendor

- Evolution, Not Revolution
- Lease vs. Buy
- Privatization
- Warranty vs. Repair, Resale, Etc.
- Leverage Commercial Practice

Insert 90's Technology (Without R & D Funds)

Acquisition Reform Flexibility's

Teaming Relationships



WHY MODERNIZATION THRU SPARES



	VECP	OSCR	MTS
Non-Recurring Funding	Govt/Industry	Govt	Industry
Recurring Funding	Govt	Govt	Govt
Benefit Analysis	Savings to Investment Ratio / Inve	Readiness At Less Cost	
Payback Period	< 3 years	< 10 years	Now
Competition	Sole Source	Open	Open
Approval Authority	MSC	AMC*	MSC
Risk	GOVT	GOVT	INDUSTRY/govt

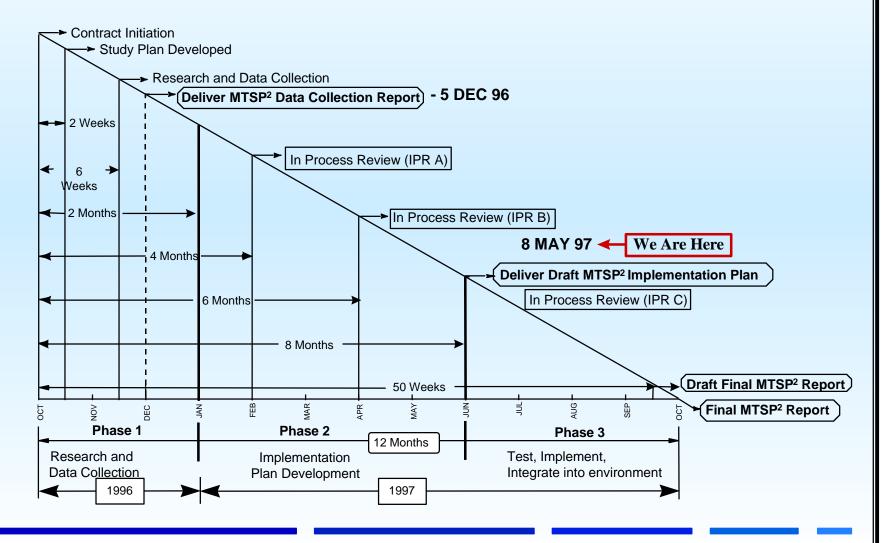
MTS Is a Method to Improve Spares Which Do Not Meet VECP / OSCR Guide Lines

*BELOW \$100K MSC APPROVAL



ATCOM APPROACH & SCHEDULE

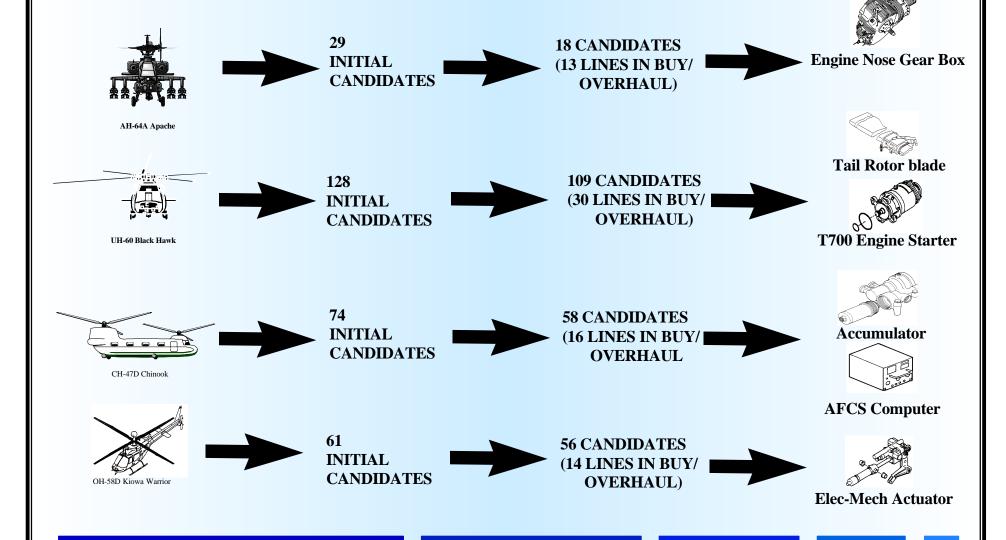






Phase I Modernization Thru Spares Pilot Program







T700 ENGINE STARTER CBD ANNOUNCEMENT CONTENT



- •HISTORICALLY STARTER RETURNED FROM FIELD
 - CRACKS IN STARTER AIR INLET HOUSING
 - WIRING HARNESS DAMAGE
 - OIL LEAKS IN CARBON FACE SEAL
- •CONSERVATIVELY, ANNUAL REPAIRS ARE 563

•FLEET SIZE - 2,091

ARMY	1,415	COAST GUARD	36
NAVY	473	CUSTOMS SERVICE	16
AIR FORCE	99	FMS	46

- •ESTIMATED FLYING HOURS PER MONTH 12
- •AVERAGE COST TO REPAIR IS \$ 2,400 / COST OF OWNERSHIP \$ 1.35 M
- •ATCOM DESIRES TO REDUCE THE COST OF OWNERSHIP
- SEEKING INNOVATIVE SOLUTIONS TO IMPROVED LIFE CYCLE SUSTAINMENT
 - MANUFACTURER TO MECHANIC



SCHEDULE - T700 Engine Starter



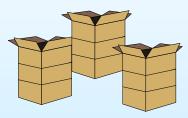
	April	May	June	July	Aug	Sep
Commerce Business Daily Announcement	17* ▲					
Briefing To Industry		7* ▲				
Contractor Response(s)		Δ				
Evaluate Contractor Response(s)			7 −13 Δ—Δ			
Prepare Procurement Package			14 — Δ—	———14 ———Δ		
Request For Proposal				15 △		
Contractor Response(s)				Δ-		
Evaluate Proposal(s)					16−29 Δ─Δ	
Baseline Cost Measure Review						1 − 9 △──△
Negotiation						10 − 16 △ − △
Business and Legal Review						18-25 △──△
Contract Award						26 Δ



Measure of Return



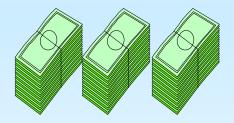


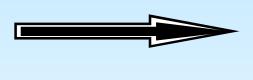


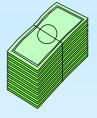




Lower Investment

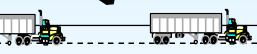




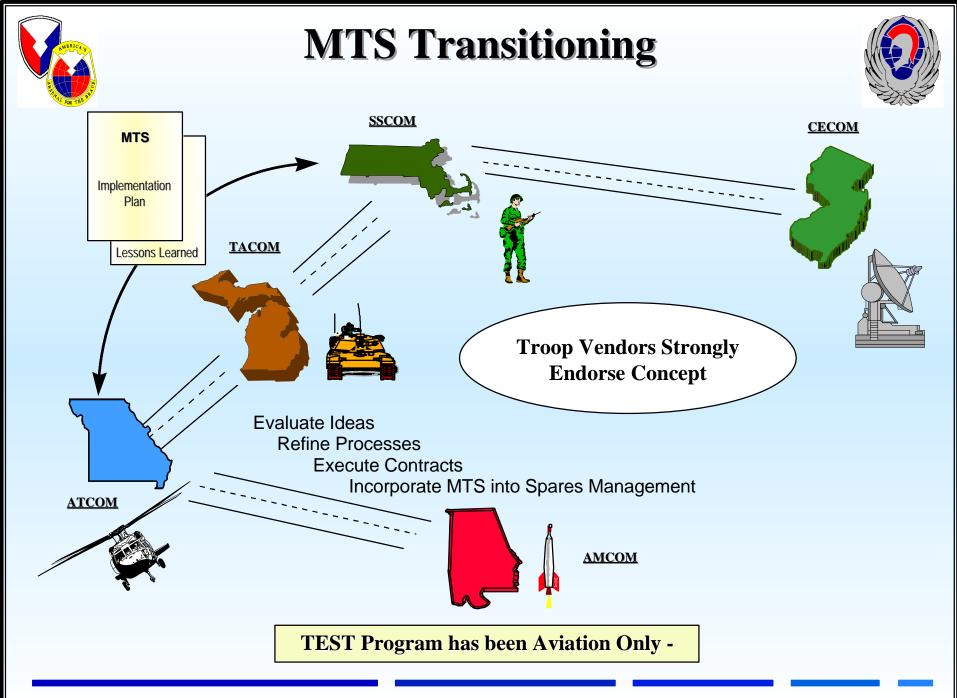














NEXT STEPS



- Release CBD Announcements Additional Parts.
- Evaluate Industry Responses to T700 Engine Starter.
- Release Request For Proposal.
- Draft MTS Implementation Plan.
- Conduct Formal In-Process Review
- Draft Final MTS Report.
- Final MTS Report.



LESSONS LEARNED



- Data Sources Inaccurate and Do Not Present Cohesive Picture.
- Maturing Spares Teams' Provide Command Focus.
- Methodology Identifies Candidates.
- Team Involvement Allows Down-Scoping to Highest Potential Return.

- Conduct Review Semi-Annually.
- Candidates in a Buy Position Yield Benefits More Rapidly.
- Overhaul Candidates Should Be Second.



- Projecting Obsolescence/Diminishing Resources will continue to be a Challenge.
- Performance Specs are Critical to MTS Success.
- Army needs focused and Automated Approach for Parts Consumption Data Gathering.





SUMMARY

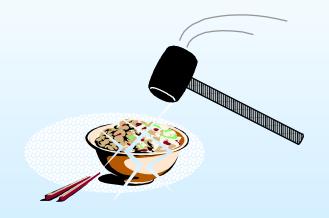


MTS Requires Teamwork

&

Outside the Box Thinking







Can Deliver Benefits when Methodology is properly applied